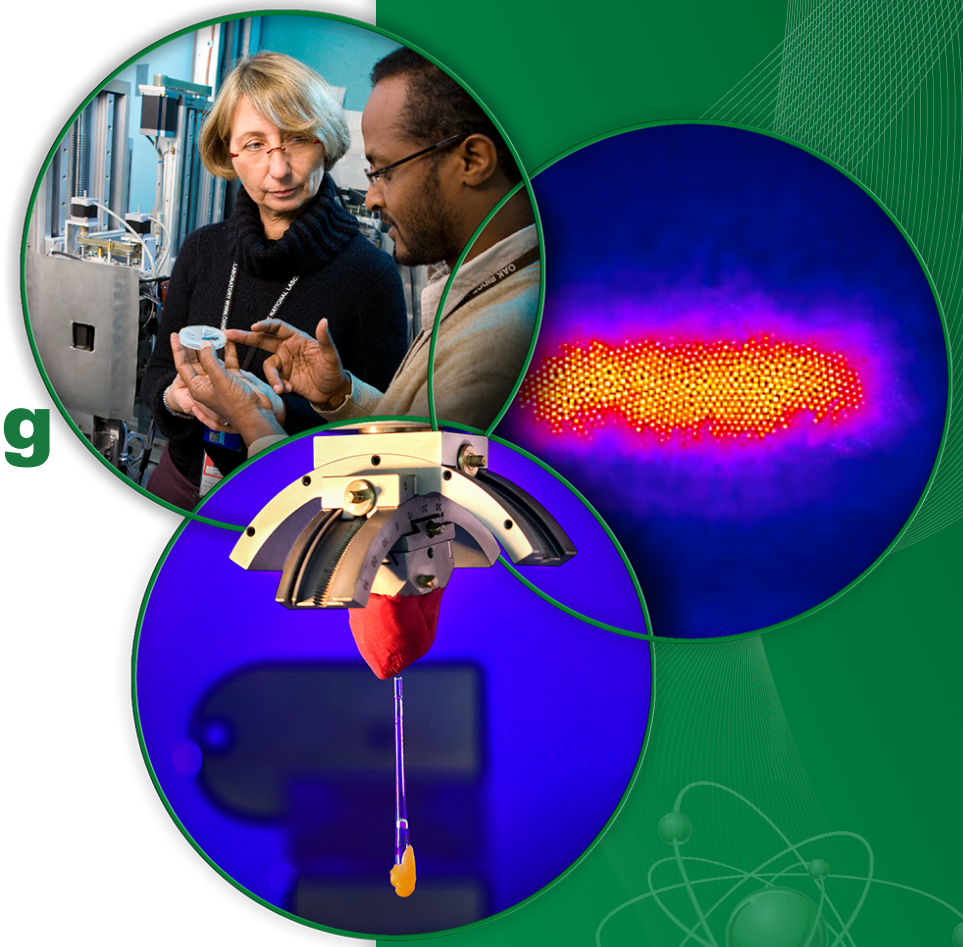
PuSH: A New System for Managing Publications at SNS and HFIR

Gabrielle Boudreau



ORNL is managed by UT-Battelle
for the US Department of Energy

Why Change?

- Our previous system did not relate to the proposal system – not connected to experiments or users
- It was not simple for users to submit
- The previous system had a limited scope and could not produce the metrics we needed
- For more extensive metrics, we maintained spreadsheets of our publication data – causing double the work

The User Experience

- Encourage users to submit by making it easy – submit a DOI and identify the instrument.
- Engage the User with easy access to their publications
- Encourage users to submit a publication beginning one year post-experiment.

Clear Guidance from our website

OAK RIDGE National Laboratory

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Search

Neutron Sciences

FUTURE | FOR USERS | ABOUT | SCIENCE | INSTRUMENTS & SUPPORT | PUBLICATIONS | NEWS | CAREERS

Neutron Science Research Publications

Publications from research conducted at the High Flux Isotope Reactor (HFIR) and/or Spallation Neutron Source (SNS) may be searched through the PuSH (Publications of SNS and HFIR) database. PuSH also contains publications associated with the Shull Wollan Center for Neutron Sciences and those authored by our Neutron Sciences Directorate staff.

All users of HFIR and SNS are asked to submit information about their resulting publications to PuSH. Submitting your publication is now as simple as entering the DOI.

- Submit a Publication
- Search Publications
- Guide to PuSH
- Contact Us

Publications by Instrument

- CG-1D I IMAGING I HFIR
- CG-2 I GP-SANS I HFIR
- CG-3 I Bio-SANS I HFIR
- CG-4C I CTAX I HFIR
- CG-4D I IMAGINE I HFIR

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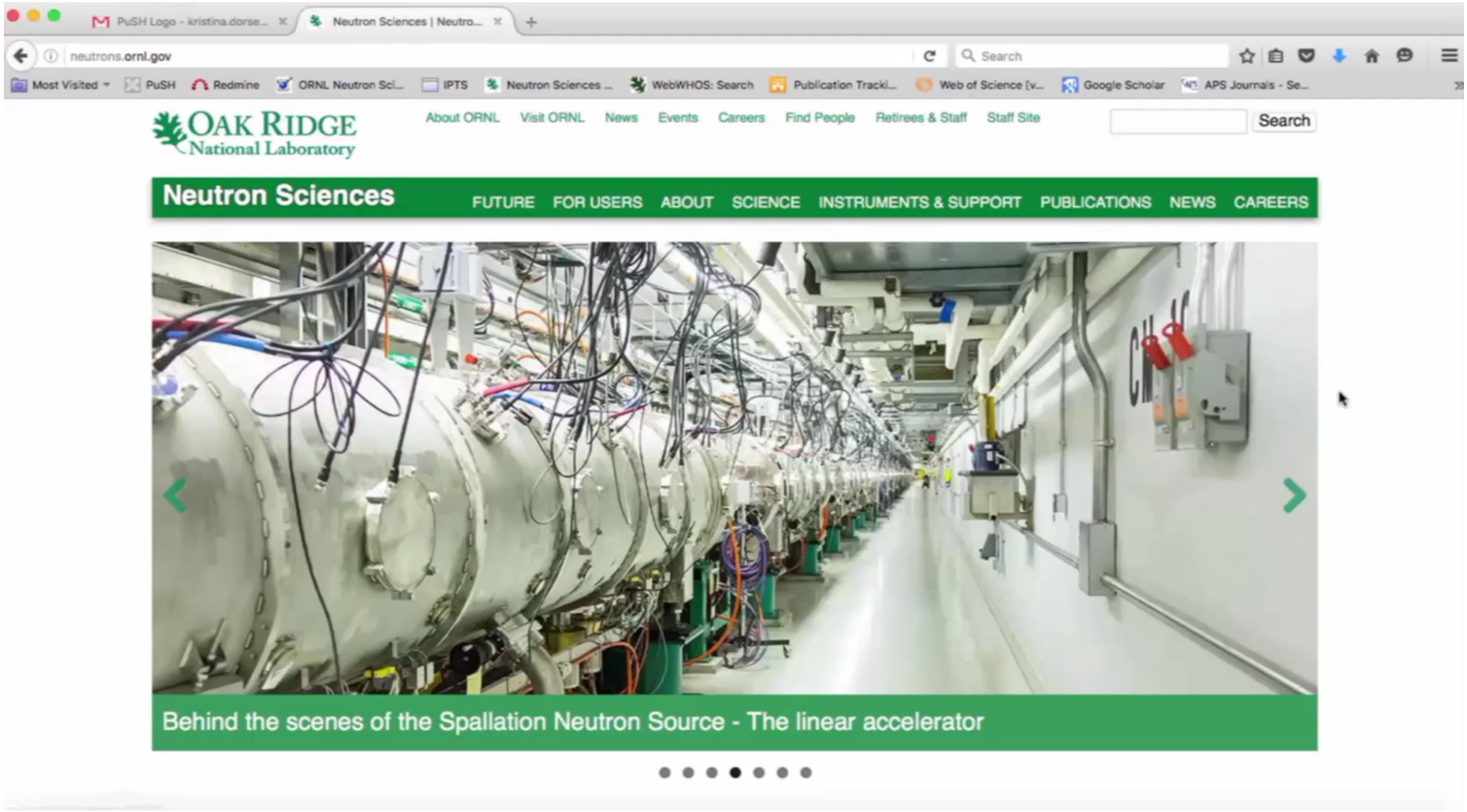
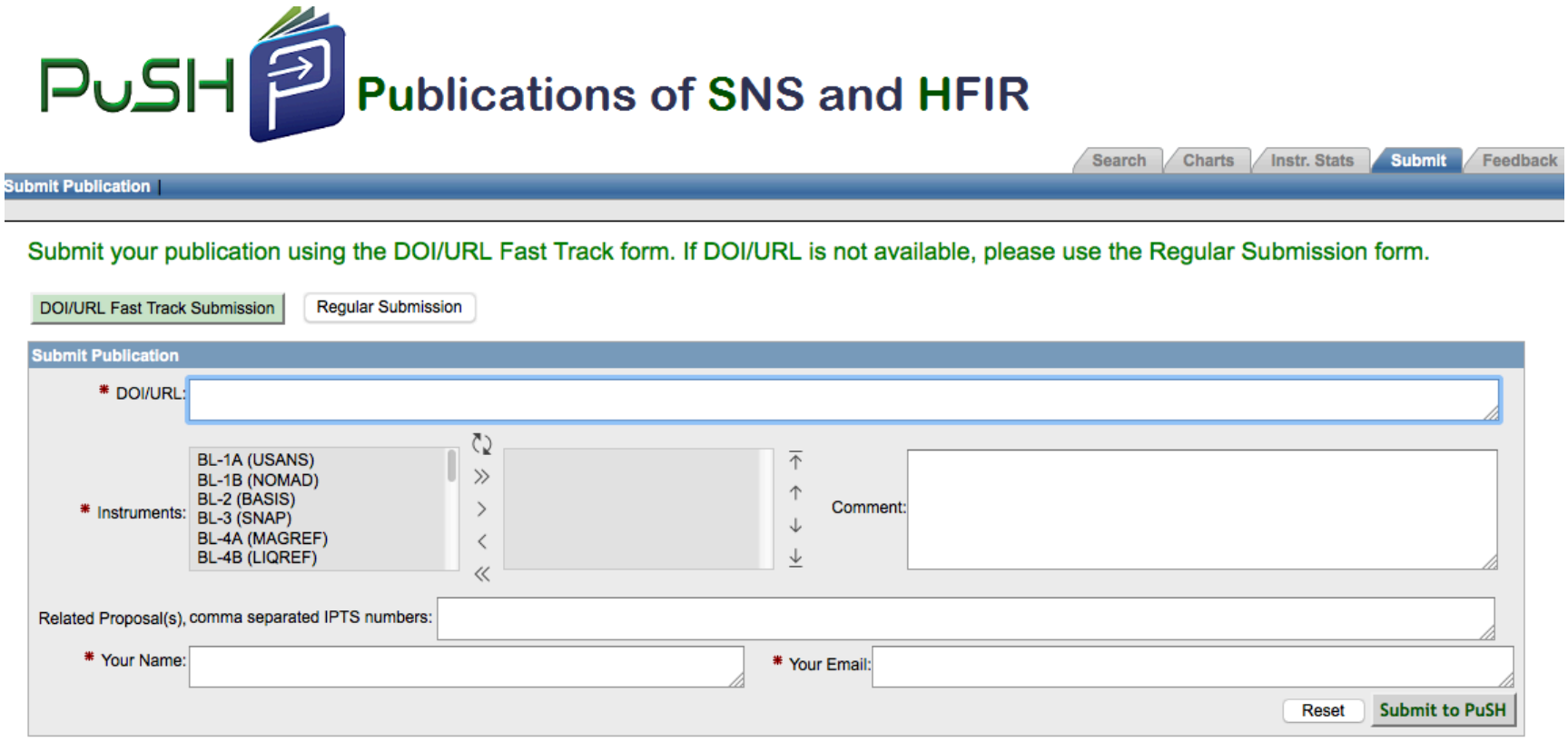
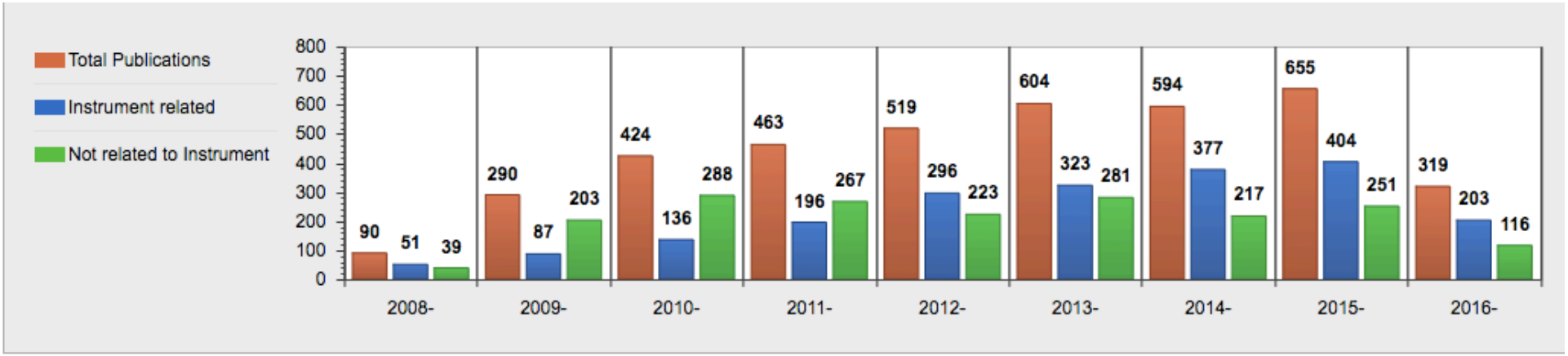
PuSH Video Guide



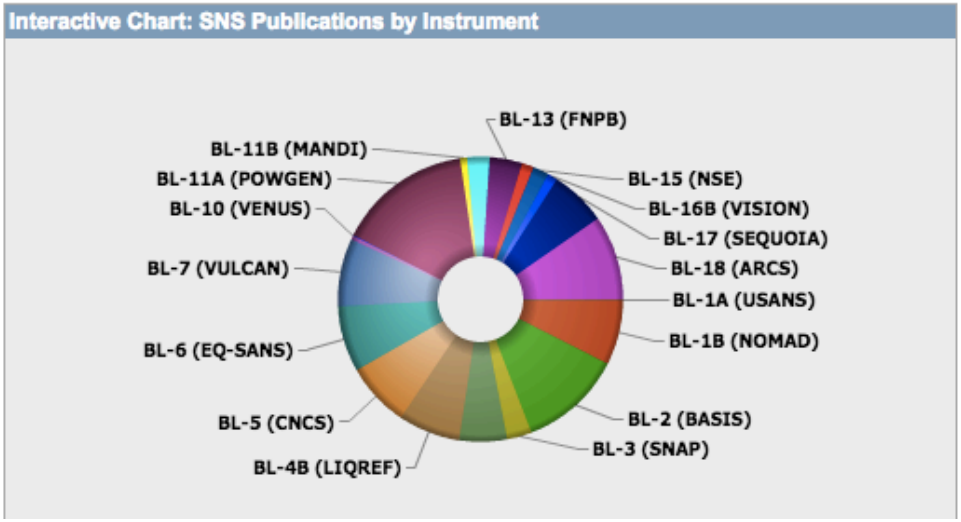
Submitting to PuSH: make it easy!

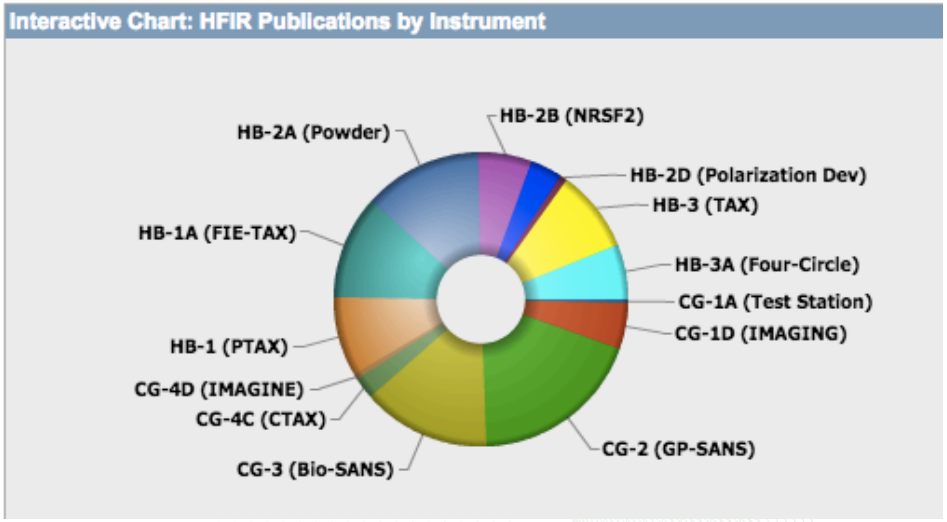


Provide graphs and visual statistics



CLICKABLE CHARTS show publication statistics and allow drilling down by facility, instrument, and year. If a publication is relatec





Publication Vetting

- We had over 3000 records to migrate and vet
- ~ 1000 records met criteria to make a direct match with a user and did not need vetting
- The other 2000 records were checked to potentially match the author name to a user record in the proposal system.
- As part of the vetting process we categorize each publication to link it to work in Irradiation, Isotopes, instruments, and our Shull Wollan Center.
- We currently have ~4000 publications in the PuSH database, including instrument publications and staff publications.

Vetting our submitted publications

NScD Publications

Home | Reports & Stats | Confirmed | **Submitted** | Journals | Types | Virtual Instruments | Authors | Institutions | Conferences

New Submitted Publications

Create New

Go | 1. Primary Report | Actions

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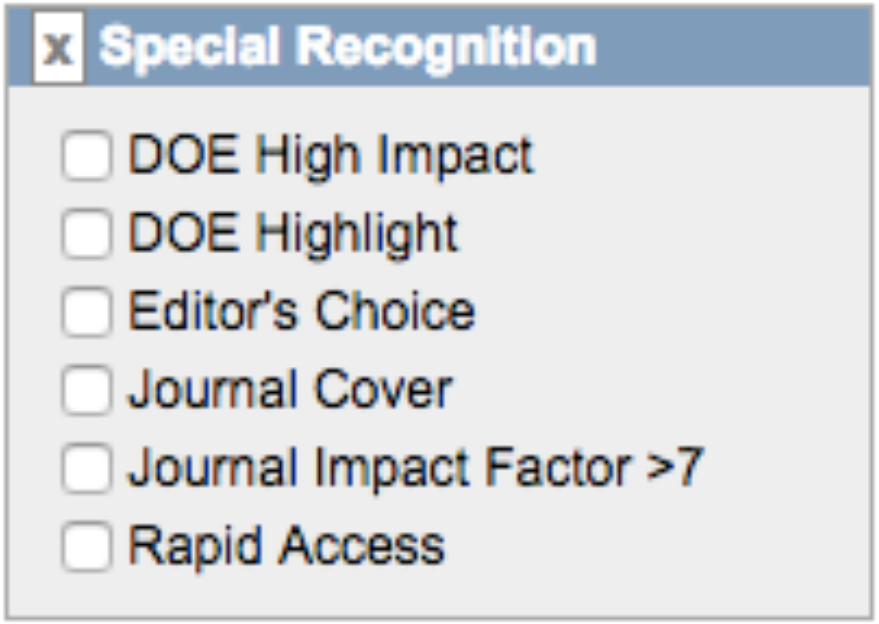
Publ ID	Publ Type	Title	Authors	Auth	Journal Selected	Journal Typed In	DOI	Sub By Email Addr	In
41685	Journal Article	HOLD--Visualizing the Bohr effect in hemoglobin: neutron structure of equine cyanomet-hemoglobin in the R-state and comparison with human deoxy-hemoglobin in the T-state	S. Dajnowicz, S. Seaver, B.L. Hanson, S.Z. Fisher, P. Langan, A. Kovalevsky, T.C. Mueser		Acta Crystallographica Section D	-	-	marlerlp@ornl.gov	-
41684	Journal Article	HOLD--Limitations in current acetylcholinesterase structure-based design of oxime antidotes for organophosphate poisoning	A. Kovalevsky, D.K. Blumenthal, X. Cheng, P. Taylor, Z Radic		Annals of the New York Academy of Sciences	-	-	marlerlp@ornl.gov	-

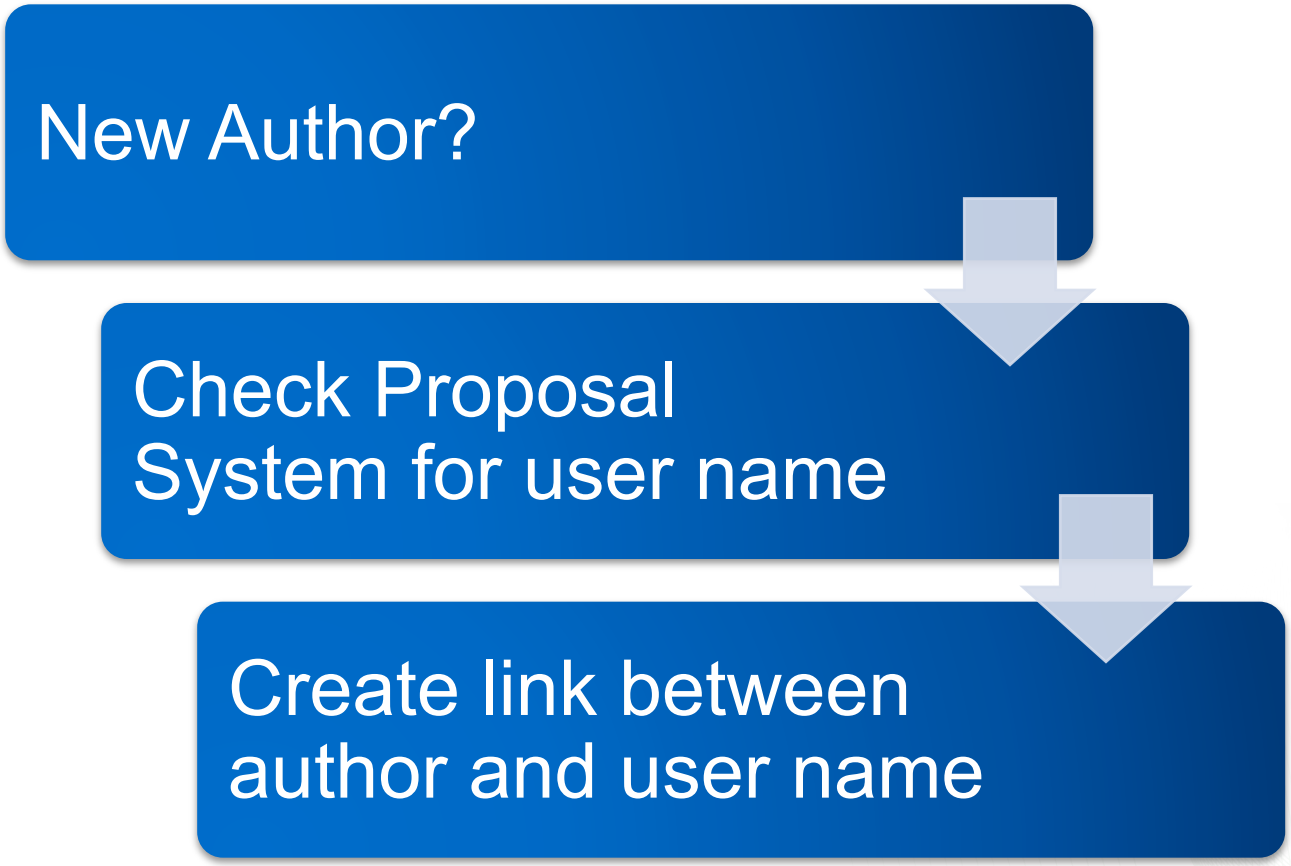
What we check

- Is it a duplicate? PuSH checks DOI and Title fields for potential duplicates
- Does the duplicate provide new information?
- Is it publicly available?
- Institution of every author
- Can we link the author to a facility user?
- Does the article fit any special recognition category?

Special Recognition Categories



Linking Authors to Facility Users



Linking Authors to a User Record

PUSH Authors Lookup

Check IPTS | Total: 0 | Selected Author ID(s): 44986 | Selected Author Name(s): P. Metz

row(s) 1 - 7 of 7

Author ID	Edit	Last Name	In1	In2	In3	First Name	Email	Institution	IPTS Person ID	UCAMS ID	Comments	Alias	Rsrch ID	Orcid ID
44988		Cladek	B			Bernadette	bcladek@vols.utk.edu	University of Tennessee - Knoxville	90022480	BCLADEK				
35823		et al.						--						
44987		Koch	R					--						
44986		Metz	P			Peter	pcm1@alfred.edu	--	90015524	PETMETZ				
39860		Misture	S	T		Scott	misture@alfred.edu	Alfred University	90002466	MISTURE				
35707		Neuefeind	J			Joerg	neuefeindjc@ornl.gov	ORNL NScD (Neutron Sciences Directorate)	30005003	ZJN	Chemical & Engineering Materials Div			
39706		Page	K			Katharine	pagekl@ornl.gov	ORNL NScD (Neutron Sciences Directorate)	30028909	K7P	Chemical & Engineering Materials Div			

Linking author to IPTS user

IPTS Users Lookup

Link PuSH Author to IPTS User Selected IPTS Person ID:

	IPTS Person ID	Last Name	First Name	Username	Email	Country	Phone	Institution	Badge #
☐	90014452	Wu	Yan	KAFERY	ywu8@lsu.edu	-	2252416438	-	03025472
☐	90005218	Wu	Yuan	WUYUAN	wuyuan@ustb.edu.cn	-	-	-	00989556
☐	30017870	Wu	Yuning	Y1G	wuy2@ornl.gov	-	-	-	00955610
☐	90015616	Wu	Yuntao	YWU52	caswyt@hotmail.com	-	(865) 387-3902	-	X90015616

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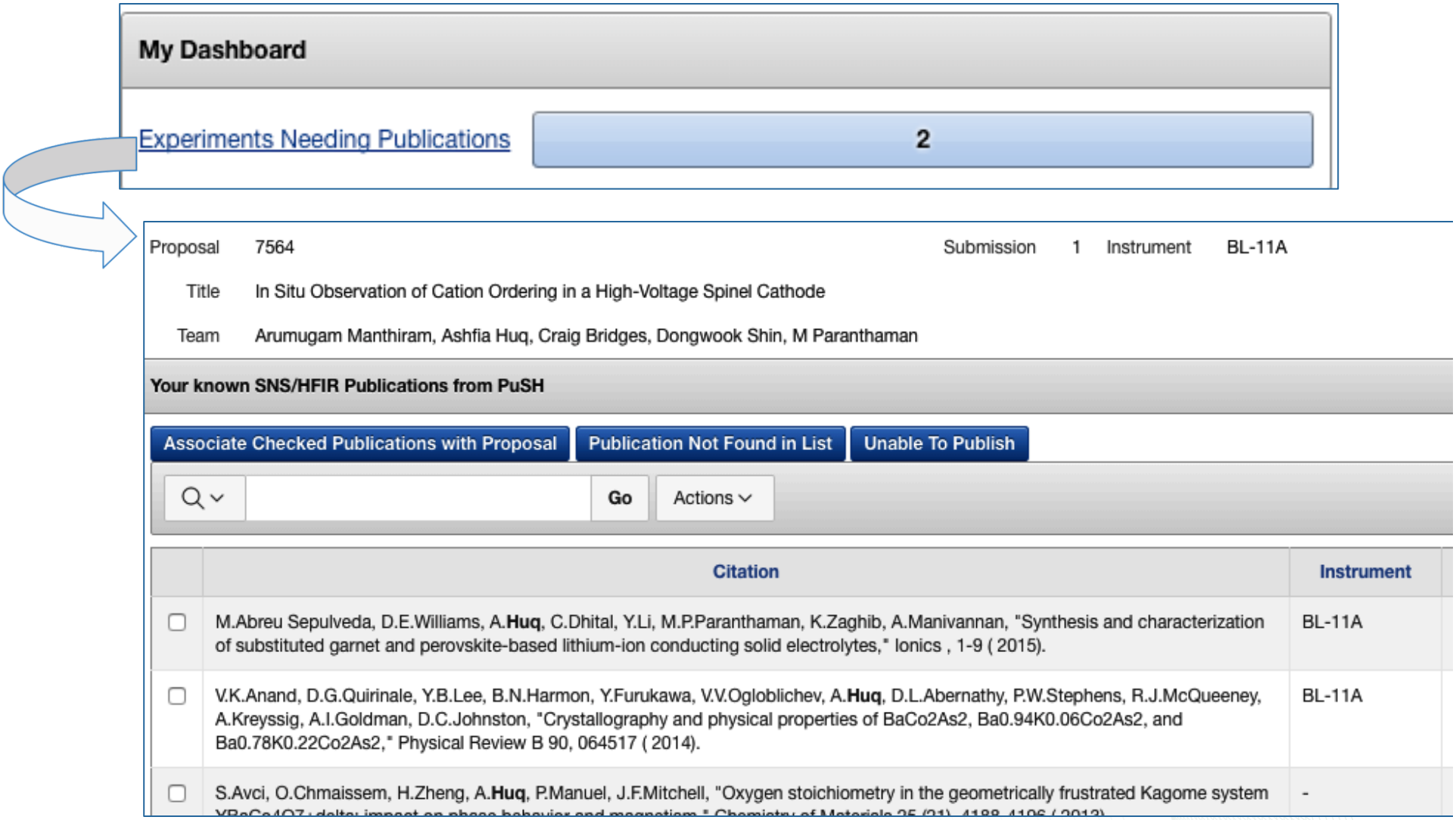
Linking experiments to publications



What have we gained?

- We give our reviewers and staff an easy link in the proposal review process to identify the scientific productivity of users
- We provide our management with detailed metrics on productive teams, users, and instruments.
- Our users and staff are much more aware of the importance we place on having their publications.